XP-002335513

c:\epodata\sea\eplogf\external.log

1/1 - (C) FILE CAPLUS
AN - 1988:7040 CAPLUS
DN - 108:7040
ED - Entered STN: 09 Jan 1988
TI - Dopants for electrically conductive polymers
IN - Iwata, Kaoru; Hagiwara, Tsuneo
PA - Agency of Industrial Sciences and Technology, Japan
SO - Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT - Patent
LA - Japanese
IC - ICM C08K005-42
ICS C08G061-12; C08G073-00
ICA - H01B001-12
CC - 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 76
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN -	JP62119237	A2	19870530	JP 1985-258770	19851120 <--
	JP1038808B	B4	19890816		
				JP 1985-258770	19851120

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 62119237	ICM	C08K005-42
	ICS	C08G061-12; C08G073-00
	ICA	H01B001-12

AB - The sulfonates RF2(CF2)mSO3- (R = H, F; m = 3-20) are dopants for elec. conductive, org. polymers. Thus, 200 mL propylene carbonate 0.06M in pyrrole and 0.1M in C8F17SO3- Et4N+ and 2 mL water were placed in a cell with a Pt anode and Cu cathode and electrolyzed for 26 h at c.d. 5 mA and -20.degree. to give a black, 30-.mu. film with elec. cond. 62 S/cm, contg. 21 mol% dopant.
ST - fluoroalkanesulfonate dopant conductive polymer; pyrrole polymer elec conductive doping; doping polymer elec conductor; sulfonate perfluoroalkane doping polymer; perfluorooctanesulfonate doping polymer
IT - Electric conductors
(org. polymers doped with fluoroalkanesulfonates as)
IT - Sulfonic acids, uses and miscellaneous
RL: USES (Uses)
(alkane, perfluoro, doping agents for elec. conductive polymers)
IT - 1763-23-1, n-Perfluorooctanesulfonic acid 56773-42-3, Tetraethylammonium n-perfluorooctanesulfonate 60453-92-1 111831-41-5 111864-24-5 111873-33-7
RL: USES (Uses)
(dopant, for elec. conductive org. polymers)
IT - 25233-30-1, Polyaniline 30604-81-0, Polypyrrole 84928-92-7, Poly(3-methylthiophene)
RL: USES (Uses)
(elec. conductive, doping of, with perfluoroalkanesulfonates)

PAGE 12/22 * RCVD AT 9/12/2007 3:44:45 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-3/9 * DNIS:2738300 * CSID:302 892 1026 * DURATION (mm-ss):07-46